

# Serotyping of Salmonella, Shigella, *Haemophilus influenzae* or *Neisseria meningitidis*

**Administering Department:** Microbiology

**Test Contact:** Vivian Lockary (208)334-2235 ext. 257

## **Purpose of Test:**

Determination of the serogroup or serotype of these organisms is primarily for epidemiologic purposes. Identification of *Shigella* sp. to the species level is performed by a combination of serological and biochemical data.

## **Sample and Submission Guidelines:**

**Preferred Specimen:** Pure Culture Isolate received on a TSA, BHI slant or other nutritive holding media

**Other Acceptable Specimens:** None

**Specimen Container:** Culture Media

**Specimen Identification:** Label with patient's first and last name, include date of collection.

**Shipping Requirements:** Store and ship at room temperature.  
Transport to lab as soon as possible.

## **Sample Rejection Criteria:**

- Specimen Tubes Broken in Transit
- Inadequate growth on media
- Sample not a pure culture isolate
- Mislabeled/Unlabeled specimen

**Method:** Agglutination

## **Possible Results and Meaning:**

Serotype or serogroup will be stated in the laboratory report. In the case of *Salmonella* sp, there are over 2,000 serotypes, with over half of all infections being caused by *Salmonella enteritidis* and *Salmonella typhimurium*.

**Charge for test:** There is currently no charge for serotyping at the Bureau of Laboratories

**Turn-Around-Time:** 48 hours

## **Links:**

- [www.cdc.gov/ncidod/dbmd/diseaseinfo/haeminfluserob\\_t.htm](http://www.cdc.gov/ncidod/dbmd/diseaseinfo/haeminfluserob_t.htm)
- [www.cdc.gov/ncidod/dbmd/diseaseinfo/shigellosis\\_g.htm](http://www.cdc.gov/ncidod/dbmd/diseaseinfo/shigellosis_g.htm)
- [www.cdc.gov/ncidod/dbmd/diseaseinfo/salmonellosis\\_t.htm](http://www.cdc.gov/ncidod/dbmd/diseaseinfo/salmonellosis_t.htm)